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U.S. Serial No. 09/599,371  
Attorney Docket No. 101992-200**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Complete Listing of Claims:**

1-55. (Cancelled)

56. (Previously Presented) An antimicrobial composition, comprising:  
pyrithione or a pyrithione complex; and  
a zinc source selected from the group consisting of zinc salts, zinc oxides, zinc  
hydroxides, and combinations thereof,  
wherein the weight ratio of said zinc source to said pyrithione or said pyrithione  
complex is present in a ratio from 1:100 to 1:10, said antimicrobial compositions being  
free of thiazolinone,  
said antimicrobial composition additionally comprises an organic solvent,  
wherein said organic solvent is an alkanolamine.

57-59 (Cancelled)

60. (New) The antimicrobial composition of claim 56, wherein said pyrithione complex is  
selected from the group consisting of pyrithione salts and pyrithione adducts.

61. (New) The antimicrobial composition of claim 60, wherein said pyrithione salt is selected  
from the group consisting of sodium pyrithione, potassium pyrithione, lithium pyrithione,  
ammonium pyrithione, zinc pyrithione, copper pyrithione, calcium pyrithione, magnesium  
pyrithione, strontium pyrithione, silver pyrithione, gold pyrithione, manganese pyrithione,

U.S. Serial No. 09/599,371  
Attorney Docket No. 101992-200

ethanolamine pyrithione salt, chitosan pyrithione salt, disulfide pyrithione salt, and combinations thereof.

62. (New) The antimicrobial composition of claim 56 wherein said salt of pyrithione is sodium pyrithione and said zinc salt is selected from the group consisting of zinc chloride, zinc sulfate, and combinations thereof.

63. (New) The antimicrobial composition of claim 56, wherein said zinc source is generated electrolytically.

64. (New) An antimicrobial composition for treating microorganisms selected from the group consisting of free-living microorganisms, parasitic microorganisms, adherent microorganisms, biofilms, and combinations thereof, comprising:

a salt of pyrithione; and

a zinc source selected from the group consisting of zinc salts, zinc oxides, zinc hydroxides, and combinations thereof,

wherein the weight ratio of said zinc source to said salt of pyrithione is present in a ratio from about 1:100 to about 1:10, said antimicrobial compositions being free of thiazolinone,

said antimicrobial composition additionally comprises an alkanolamine.

65. (New) An antimicrobial composition for treating microorganisms selected from the group consisting of free-living microorganisms, parasitic microorganisms, adherent microorganisms, biofilms, and combinations thereof, comprising:

sodium pyrithione; and

a zinc source selected from the group consisting of zinc chloride, zinc sulfate, and combinations thereof, wherein and the weight ratio of said zinc source to said sodium pyrithione is in the range from about 1:100 to about 1:10, said antimicrobial composition being free of thiazolinone, and wherein said composition additionally comprises an alkanolamine.